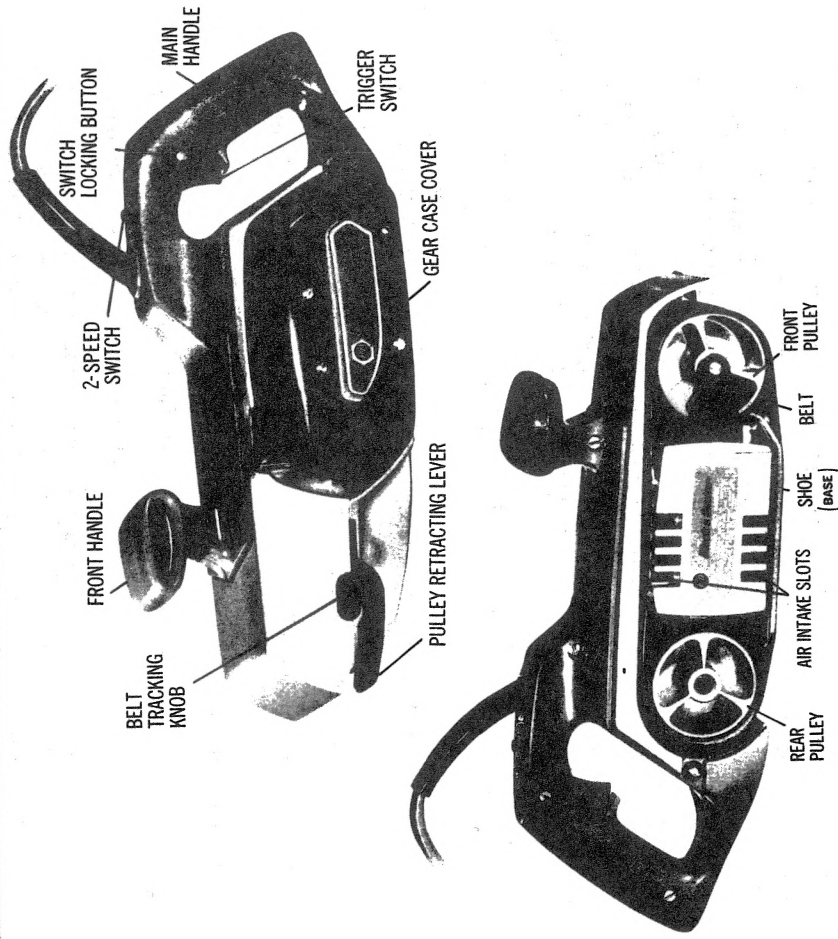




Black & Decker® POWER TOOLS

OWNER'S MANUAL



BELT SIZE: 3" x 24"

BELT SPEED: High — 1250, Low — 1050 Feet per Minute

SANDING SURFACE: 13.8 Sq. Inches

115 Volts A.C. 5.7 Amps. 3/4 H.P.

1. **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a known ground. Never remove third prong.
3. **KEEP GUARDS IN PLACE** and in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't use power tool in damp or wet locations. And keep work area well lit.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
11. **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
13. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS.** When not in use, before servicing, when changing accessories such as blades, bits, cutters, etc.
17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
18. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch.

GUARANTEE

Black & Veatch will correct, without charge, any defect **AT ANY TIME** which, upon examination at one of our Factory Service Branches, Authorized Service Stations, or Factories, is found to be due to faulty material or workmanship. The guarantee does not apply in cases of misuse or careless handling or where repairs or replacements have been made or attempted by others. Any transportation charges for delivering the unit for examination must be prepaid.

IF THE TOOL WON'T RUN

First, check the outlet by plugging in another tool or lamp. If these don't work, check the service panel for blown fuses. If current is present, check plugs and sockets for tight fits. If there is no current, something wrong with the tool, don't attempt any major repair on your own. Take it or send it to the nearest Service location shown below for repair. A free parts diagram of your B&D tool is available by writing the Black & Decker Factory Service Center nearest you.

FACTORY SALES & SERVICE BRANCHES

ALABAMA: Birmingham 35233, 11717 Third Ave. South	Area	Telephone	Area	Telephone
ARKANSAS: Phenix 68004, 257 E. McDowell Rd.	501	32-61	NEW MEXICO: Albuquerque 82110, 4700 Lomas Blvd. N.E.	505
CALIFORNIA: Little Rock 42301, 519 West Seventh Street	AR 1	81-1322	NEW YORK: New York 10662, 1894 E. Tremont Avenue (Bronx)	212
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Sacramento 95811, 1915 Southwestern Street	916	TE 4-9344	Rechtshill 11620, 4701 Queens Blvd. (Woodside)	718
San Diego 92105, 3811 El Capon Blvd.	619	TE 4-9344	Syracuse 13224, 2140 Erie Blvd. E.	315
San Francisco 94102, 2291 31st Park Blvd.	415	TE 4-9344	NORTH CAROLINA: Charlotte 28205, 1710 N. Graham St.	704
San Francisco 94102, 2291 31st Park Blvd.	415	TE 4-9344	Greenville 29605, Box 1305, Highway 301 S.	919
COLORADO: Denver 80204, 675 Kalanath St.	303	871-7278	OHIO: Cincinnati 45203, 1225 Western Ave.	513
CONNECTICUT: Hartford 06114, 131 Meadow Street	203	222-0621	Cincinnati 45203, 1225 Western Ave.	513
FLORIDA: Jacksonville 32208, 5224 Pearl Street	904	249-6241	Cleveland 44113, 3901 Detroit Ave.	216
Miami 33132, 2075 N.W. 54th Street	NE 3	365-2951	Detroit 48201, 2933 N. High Street	313
Tempe 33009, 3041 S. Kennedy Blvd.	602	843-1531	Indianapolis 46201, 2225 Madison Ave.	317
GEORGIA: Atlanta 30313, 572 Ashby Street	GA 4	843-1531	San Antonio 78201, 131 S. St. Mary's Street	512
HAWAII: Honolulu 96813, 672 Ashby Street	808	4-0031	TEXAS: Amarillo 79105, 3008 West 6th Ave.	806
ILLINOIS: Chicago 60607, 1100 W. Jackson Blvd.	312	569-374	Fort Worth 76103, 1801 Bimingham Street	817
Chicago 60645, Lincolnwood, 6710 N. Crawford Ave.	312	OR 3-9500	Philadelphia 19102, 343 N. 20th Street	215
Rock Island 61912, 725 30th St. S. Western Ave.	309	569-374	Pittsburgh 15222, 9437 Burnin Blvd.	412
INDIANA: Evansville 47708, 931 Bond Street	412	425-4269	PUERTO RICO: San Juan 00914, 2077 Penitencia Ave.	809
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IOWA: Des Moines 50312, 1821 Iperogal Ave.	515	CH 4-2527	UTAH: Salt Lake City 84115, 1541 S. Second West St.	801
KANSAS: Wichita 67214, 2029 S. Mainwason Street	316	FO 3-6571	VIRGINIA: Richmond 23222, 1424 Chambersburg Ave.	703
LOUISIANA: Louisville 40209, 4407 Park Blvd.	504	562-2544	WASHINGTON: Seattle 98109, 434 Eighth Ave. N.	206
MAINE: Portland 40912, 112-2001 Poydars Street	504	445-5550	WEST VIRGINIA: Milwaukee 52131, 6301 Blue Mount Road	414
MARYLAND: Baltimore 21205, 4712 Edmond Ave.	301	445-5550	WISCONSIN: Milwaukee 52131, 6301 Blue Mount Road	414
Bladenburg 20710, 4100 Baltimore Avenue	301	779-2080	MAINE: Portland 40912, 112-2001 Poydars Street	504
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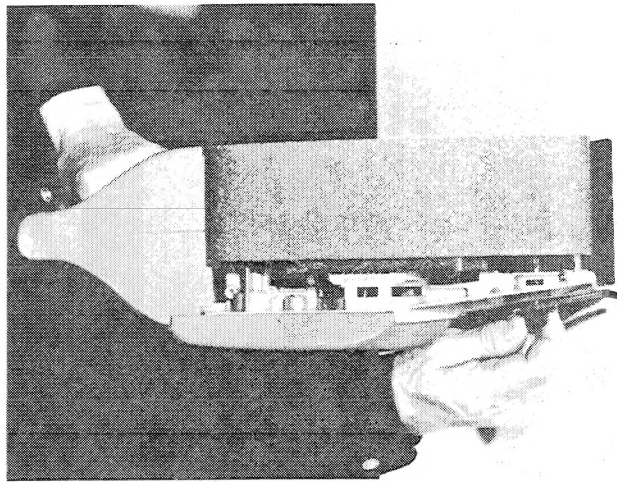
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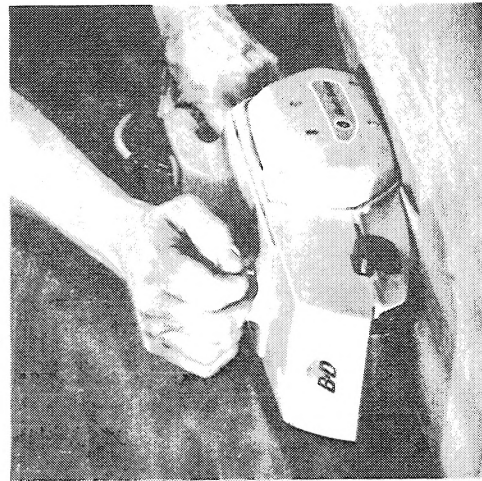
BELT TRACKING ADJUSTMENT

Before sanding with a new belt, plug in the tool and hold it in the position shown in figure at right. Depress the switch and note whether the belt "tracks" evenly, keeping its outer edge flush with the outer edge of the shoe. If the belt starts to deviate from a straight track, rotate the Tracking Adjustment Knob slightly forward or backward until belt tracks evenly. When sanding, occasionally check to see if belt is tracking properly and adjust when necessary.



OPERATION

Start the tool with the belt off of the work. Hold both handles firmly and begin your initial sanding stroke as the tool contacts the work. Keep the Sander moving to insure even sanding, and, in most cases, the weight of the tool provides sufficient pressure for proper sanding. Lift the Sander from the work before turning tool "OFF" to prevent gouging. High speed operation can be used for fast removal of material. Low speed is recommended for a final smooth finish.

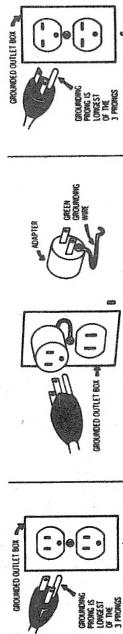


SAFETY WITH BELT SANDERS

1. Before changing belts, or at any time the tool is not actually being used, be sure that the trigger switch is in the "OFF" position and that the cable is unplugged from the power supply.
2. Before plugging in the cable, be sure that the trigger switch is in the "OFF" position.
3. When starting or stopping the Sander hold the tool off of the work surface to prevent it from "running away" or gouging.
4. Use correct size belts — 3" x 24".

GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal. If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a PERMANENT GROUND such as a properly grounded outlet box. If the unit requires from 150 to 250 volts it has a plug like Figure "C". No adapter is available and it should be used in the proper standard matching 3-wire grounding receptacle.



CABLE

When using the tool at a considerable distance from power source, a properly grounded extension cable of adequate size must be used to prevent loss of power and over-heating. Use table at right for 115 Volt tools.

Ext. cable length in feet	25	50	75	100	150	200
Required wire size (A.W.G.) in cable	18	16	14	12	12	10



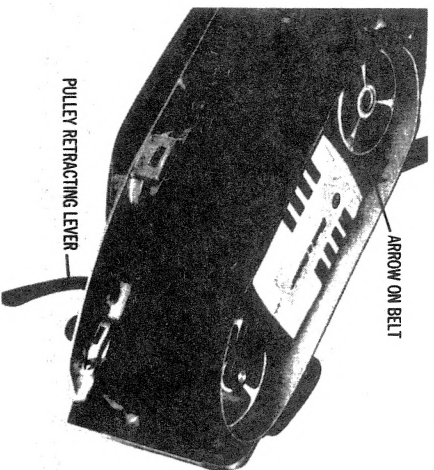
SWITCHES

PRACTICE THE FOLLOWING BEFORE PLUGGING TOOL INTO POWER SUPPLY:

1. Pulling the Trigger Switch turns the motor "ON" and puts the belt in motion. Releasing the Trigger turns the motor "OFF" and stops the belt.
2. To lock the motor "ON" for continuous sanding —
 - (a) Pull and hold back the Trigger.
 - (b) Depress and hold in the Locking Button.
 - (c) Release Trigger and release Locking Button and tool will stay "ON".
 - (d) To turn tool "OFF," pull and release Trigger.
3. 2-Speed Switch is located on top of handle. Push forward for high speed, push back for low speed. Switch position may be changed while motor is in operation. High speed 1250 feet per minute, low speed 1050 feet per minute.
4. Always lift the Sander so that the belt is free from contact with any material before turning the tool "ON." This will prevent a sudden forward "jump" of the tool as the belt begins to move.

CHANGING BELTS

1. UNPLUG TOOL FROM POWER SUPPLY.
2. Pull out the Pulley Retracting Lever which releases the tension on the belt.
3. The worn belt can then be slipped off the pulleys and be replaced by a new one. See figure at right. Be sure that the arrow stamped on the belt points in the direction around the pulleys as shown.
4. The outer edge of the new belt should be lined up flush with the outer edge of the shoe. Push Pulley Retracting Lever back in close to the tool.
5. Adjust for proper belt tracking as follows on next page.



BELT SANDER CARE & CLEANING

All bearings in your Belt Sander are of the sealed-lubricant type and do not require any relubrication.

Frequent cleaning of all accessible areas in and around the housing, with a vacuum cleaner nozzle, will keep your tool running cooler and more efficiently.

If you notice the tool motor running slower than usual or losing power, or, you notice heavy sparking through the air intake slots, immediately take or send the tool to your nearest B&D Service Center for possible motor-brush replacement and a thorough cleaning and inspection.

COMMUTATOR AND BRUSHES

Inspect carbon brushes often. The brushes are located under the motor housing cover, to which the name plate is secured, on the flush side of the sander. Make certain cable is unplugged from power supply. Remove the two screws at the top of this cover. The name plate will act as a hinge, and the top half of the cover can be lowered providing access to the motor brushes. Replace when brushes are worn down to the identifying letter or groove or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding freely in guides. Inspect commutator for dirt and excessive wear. If dirty or rough, clean lightly with very fine sandpaper (NOT emery cloth). If badly worn or grooved, send tool to our nearest service station for repair.

3" x 24" SANDING BELTS

These Belts are precision-made, cut and bonded for accurate fit. Use on Black & Decker and other make Belt Sanders using a 3" x 24" belt.

C58368	36 coarse	CLOSED COAT ALUMINUM OXIDE for unfinished or new wood, ferrous metal, non-ferrous metals (aluminum, lead, copper, solder).
C58370	40 coarse	
C58372	50 medium	
C58374	60 medium	
C58376	80 medium	
C57378	100 fine	
C58380	120 fine	

C58367	24 coarse	OPEN COAT ALUMINUM OXIDE for removing lacquer, paint or varnish. Also for Green or resinous wood.
C58369	36 coarse	
C58371	40 coarse	
C58373	50 medium	
C58375	60 medium	
C58377	80 medium	
C58379	100 fine	